

Special Issue

High Value-Added Compounds from Food Wastes and By-Products

Message from the Guest Editors

The challenge of climate change requires a deep re-evaluation of development models based on intensive exploitation of fossil resources, in favor of those based on a circular economy. In this context, by-wastes, especially from food and agricultural activities, play a key role as promising feedstock in biorefining, as a renewable source of value-added compounds as chemicals, bioactive compounds, nutraceutical materials, and biofuels. The evolution of a bioeconomy based on the by-waste valorization passes through several aspects, moving from biomass characterization to the design of novel and low-impact processes and the definition of new applications. Technological innovation for the valorization of agro-food wastes, or the chemical-analytical characterization of raw materials and by-products, is mandatory for the green transition. This Special Issue aims to collect cutting-edge works on the extraction, characterization, processing, and valorization of agri-food and industrial by-wastes, including papers on green preparation procedures, novel food sources to be exploited, methods for nutraceuticals analysis, and so on.

Guest Editors

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Deadline for manuscript submissions

closed (28 September 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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